

|                    |     |                  |                |     |
|--------------------|-----|------------------|----------------|-----|
| HHH                | HHH | LLL              | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLL              | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLL              | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHHHHHHHHHHHHHHHHH | LLL | DDD              | DDD            |     |
| HHHHHHHHHHHHHHHHHH | LLL | DDD              | DDD            |     |
| HHHHHHHHHHHHHHHHHH | LLL | DDD              | DDD            |     |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLLLLLLLLLLLLLLL | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLLLLLLLLLLLLLLL | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLLLLLLLLLLLLLLL | DDDDDDDDDDDDDD |     |



[illegible]



|     |    |              |
|-----|----|--------------|
| (1) | 50 | DECLARATIONS |
|-----|----|--------------|



```
0000 1      .TITLE  HLDPRINT - HLD PRINT ROUTINES
0000 2      .IDENT  'V04-000'
0000 3
0000 4
0000 5      :*****
0000 6      :
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0000 23     :*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24     :
0000 25     :*****
0000 26     :
0000 27     :
0000 28     :
0000 29     :++
0000 30     : FACILITY: DECNET HOST LOADER (HLD)
0000 31     :
0000 32     : ABSTRACT:
0000 33     :
0000 34     :     THIS MODULE IS RESPONSIBLE FOR FORMATTING AND PRINTING
0000 35     :     MESSAGES TO THE LOG FILE.
0000 36     :
0000 37     : ENVIRONMENT:
0000 38     :
0000 39     :     THE HLD IMAGE EXECUTES IN THE CONTEXT OF A PROCESS CREATED BY
0000 40     :     NETACP. IT RUNS IN USER MODE AND REQUIRES NETWORK PRIVILEGE.
0000 41     :
0000 42     : AUTHOR: SCOTT G. DAVIS,      CREATION DATE: 02-JUL-79
0000 43     :
0000 44     : MODIFICATIONS:
0000 45     :
0000 46     :     V001      SGD0002      19-Mar-1984
0000 47     :     Add error message for improper connect from SLD.
0000 48     :     Make sure recursive errors don't occur.
0000 49     : --
0000 50     : .SBTTL  DECLARATIONS
0000 51     :
0000 52     :
0000 53     : INCLUDE FILES:
0000 54     :
0000 55     :
0000 56     : MACROS:
0000 57     :
```



```
0000 58 : NONE
0000 59 :
0000 60 : EQUATED SYMBOLS:
0000 61 :
0000 62 : NONE
0000 63 :
0000 64 : OWN STORAGE:
0000 65 :
00000000 66 : .PSECT HLD$PURE NOSHR,NOEXE,RD,NOWRT,LONG
0000 67 :
0000 68 :
0000 69 : FAO DESCRIPTOR
0000 70 :
41 21 2F 21 2F 21 00000008'010E0000' 0000 71 HLD_ANNOUNCE: .ASCID \!//!AC request from node !AS:: for task '!AC'!//!AC!AC!//!\
72 66 20 74 73 65 75 71 65 72 20 43 000E
3A 53 41 21 20 65 64 6F 6E 20 6D 6F 001A
22 20 6B 73 61 74 20 72 6F 66 20 3A 0026
43 41 21 43 41 21 2F 21 22 43 41 21 0032
2F 21 2F 21 003E
0042 72 :
0042 73 : MESSAGES
0042 74 :
45 4C 49 41 46 20 2A 2A 2A 2A 2A 00' 0042 75 FAILED: .ASCIC /***** FAILED - /
20 2D 20 44 004E
OF 0042
0052 76 :
0052 77 : TEXT RELATED TO REQUEST TYPE
0052 78 :
76 6E 49 20 2D 20 2A 2A 2A 2A 2A 00' 0052 79 HLD$GT_INVALID:: .ASCIC /***** - Invalid/ ; CONNECT FROM SLD WAS GARBAGE
64 69 6C 61 005E
OF 0052
0062 80 HLD$AT_REQ TYPE:: : VECTOR OF ADDRESSES
00000072' 0062 81 .ADDRESS HLD_OVERLAY : OVERLAY REQUEST
0000007A' 0066 82 .ADDRESS HLD_LOAD : INITIAL LOAD REQUEST
00000087' 006A 83 .ADDRESS HLD_CHKREAD : CHECKPOINT READ REQUEST
00000097' 006E 84 .ADDRESS HLD_CHKWRT : CHECKPOINT WRITE REQUEST
0072 85
79 61 6C 72 65 76 4F 00' 0072 86 HLD_OVERLAY: .ASCIC /Overlay/
07 0072
61 6F 6C 20 6C 61 69 74 69 6E 49 00' 007A 87 HLD_LOAD: .ASCIC /Initial load/
64 0086
0C 007A
20 74 6E 69 6F 70 6B 63 65 68 43 00' 0087 88 HLD_CHKREAD: .ASCIC /Checkpoint read/
64 61 65 72 0093
OF 0087
20 74 6E 69 6F 70 6B 63 65 68 43 00' 0097 89 HLD_CHKWRT: .ASCIC /Checkpoint write/
65 74 69 72 77 00A3
10 0097
00A8 90 MSG_ARRAY: : ARRAY TO BE INDEXED BY MSG NUMBER
000000D0' 00A8 91 .ADDRESS NULL : IF 0 THEN NO ERROR MESSAGE
000000D1' 00AC 92 .ADDRESS FORMAT
000000E9' 00B0 93 .ADDRESS SYNTAX
00000101' 00B4 94 .ADDRESS SEARCH
00000115' 00B8 95 .ADDRESS NO_HEADER
0000012C' 00BC 96 .ADDRESS NOT_4K
0000014B' 00C0 97 .ADDRESS BAD_PART
00000167' 00C4 98 .ADDRESS BIG_FILE
```



```
00000182' 00C8 99 .ADDRESS BIG_PART
000001A9' 00CC 100 .ADDRESS BAD_REQST
0000 101
00' 00D0 102 NULL: .ASCIC // ; NOTHING HERE
00' 00D0
6F 72 72 65 20 74 61 6D 72 6F 66 00' 00D1 103 FORMAT: .ASCIC /format error in HLD.DAT/
54 41 44 2E 44 4C 48 20 6E 69 20 72 00D1
17 00D1
6F 72 72 65 20 78 61 74 6E 79 73 00' 00E9 104 SYNTAX: .ASCIC /syntax error in HLD.DAT/
54 41 44 2E 44 4C 48 20 6E 69 20 72 00F5
17 00E9
6E 20 65 6D 61 6E 20 6B 73 61 74 00' 0101 105 SEARCH: .ASCIC /task name not found/
64 6E 75 6F 66 20 74 6F 010D
13 0101
69 20 72 65 64 61 65 68 20 6F 6E 00' 0115 106 NO_HEADER: .ASCIC /no header in task file/
65 6C 69 66 20 6B 73 61 74 20 6E 0121
16 0115
6B 73 61 74 20 64 65 70 70 61 6D 00' 012C 107 NOT_4K: .ASCIC /mapped task not on 4k boundary/
62 20 6B 34 20 6E 6F 20 74 6F 6E 20 0138
79 72 61 64 6E 75 6F 0144
1E 012C
61 70 20 64 65 70 70 61 6D 6E 75 00' 014B 108 BAD_PART: .ASCIC /unmapped partition mismatch/
6D 73 69 6D 20 6E 6F 69 74 69 74 72 0157
68 63 74 61 0163
1B 014B
69 62 20 6F 6F 74 20 65 6C 69 66 00' 0167 109 BIG_FILE: .ASCIC /file too big for partition/
74 69 74 72 61 70 20 72 6F 66 20 67 0173
6E 6F 69 017F
1A 0167
74 20 6E 6F 69 74 69 74 72 61 70 00' 0182 110 BIG_PART: .ASCIC /partition too big for checkpoint space/
63 20 72 6F 66 20 67 69 62 20 6F 6F 018E
70 73 20 74 6E 69 6F 70 6B 63 65 68 019A
65 63 61 01A6
26 0182
6E 6F 63 20 6C 61 67 65 6C 6C 69 00' 01A9 111 BAD_REQST: .ASCIC /illegal connect request from SLD/
74 73 65 75 71 65 72 20 74 63 65 6E 01B5
44 4C 53 20 6D 6F 72 66 20 01C1
20 01A9
```



```
00000000 113 .PSECT HLD$CODE NOSHR,EXE,RD,NOWRT
0000 114
0000 115 :++
0000 116 : FUNCTIONAL DESCRIPTION:
0000 117 :
0000 118 : HLD$PRINT - FORMATS AND PRINTS A MESSAGE TO THE HLD LOG FILE.
0000 119 : THE MESSAGE INCLUDE A NODE NAME, A TASK NAME, A
0000 120 : REQUEST TYPE (POSSIBLY "INVALID"), AND AN ERROR
0000 121 : INDICATION, IF ANY.
0000 122 :
0000 123 : CALLING SEQUENCE:
0000 124 :
0000 125 : BSB/JSB HLD$PRINT
0000 126 :
0000 127 : INPUT PARAMETERS:
0000 128 :
0000 129 : HLD$GT_OPER - ADDRESS OF OPERATION(REQUEST) TYPE MESSAGE COUNTED STRING
0000 130 : HLD$GB_ERRORFLG - ERROR MESSAGE NUMBER OR 0
0000 131 :
0000 132 : IMPLICIT INPUTS:
0000 133 :
0000 134 : NONE
0000 135 :
0000 136 : OUTPUT PARAMETERS:
0000 137 :
0000 138 : NONE
0000 139 :
0000 140 : IMPLICIT OUTPUTS:
0000 141 :
0000 142 : FORMATTED MESSAGE TO LOG FILE
0000 143 :
0000 144 : COMPLETION CODES:
0000 145 :
0000 146 : NONE
0000 147 :
0000 148 : SIDE EFFECTS:
0000 149 :
0000 150 : NONE
0000 151 :
0000 152 :--
0000 153 :
0000 154 HLD$PRINT::
57 00D0'CF 9E 0000 155 MOVAB W^NULL,R7 : ASSUME NO EXTRA ERROR MESSAGE
56 0000'CF 9A 0005 156 MOVZBL W^HLD$GB_ERRORFLG,R6 : GET ERROR CODE, IF ANY
05 13 000A 157 BEQL 10$ : IF EQL NO MORE TEXT
57 0042'CF 9E 000C 158 MOVAB W^FAILED,R7 : ERROR INTRODUCTION
0011 159 10$:
56 00A8'CF46 D0 0011 160 MOVL W^MSG ARRAY[R6],R6 : GET ADDRESS OF ERROR MESSAGE
0017 161 $FAO_S CTRSTR= W^HLD ANNOUNCE- : FORMAT MESSAGE
0017 162 OUTLEN=W^HLD$GW_PRTLEN-
0017 163 OUTBUF=W^HLD$GQ_PRTBUF-
0017 164 P1= W^HLD$GT_OPER- : REQUEST TYPE
0017 165 P2= #HLD$GQ_NODEDESC- : NODENAME
0017 166 P3= #HLD$AT_TSKBUF- : TASKNAME
0017 167 P4= R7- : ERROR INTRODUCTION
0017 168 P5= R6 : ERROR MESSAGE ADDRESS, IF ANY
003E 169 :
```

```
0000'CF      003E 170 ; PRINT THE MESSAGE
0000'CF      003E 171 ;
B0           003E 172 MOVW W^HLD$GW PRTLEN,- ; UPDATE BUFFER SIZE IN PRINT RAB
           0042 173 W^HLD$PRTRAB+RAB$W_RSZ ;
           0045 174 $PUT RAB=W^HLD$PRTRAB ; OUTPUT THE RECORD
05           0050 175 RSB ; DONE
           0051 176
           0051 177 .END
```



HLDPRINT  
Symbol table

- HLD PRINT ROUTINES

J 4

16-SEP-1984 01:41:56 VAX/VMS Macro V04-00  
5-SEP-1984 01:28:36 [HLD.SRC]HLDPRINT.MAR;1

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(1)

```

$$TMP1      = 00000001
$$TMP2      = 000000CF
$$T2        = 00000008
BAD_PART    = 0000014B R 01
BAD_REQST   = 000001A9 R 01
BIG_FILE    = 00000167 R 01
BIG_PART    = 00000182 R 01
FAICED      = 00000042 R 01
FORMAT      = 000000D1 R 01
HLD$AT_REQ TYPE 00000062 RG 01
HLD$AT_TSKBUF ***** X 02
HLD$GB_ERRORFLG ***** X 02
HLD$GQ_NODEDESC ***** X 02
HLD$GQ_PRTBUF ***** X 02
HLD$GT_INVALID 00000052 RG 01
HLD$GT_OPER ***** X 02
HLD$GW_PRTLEN ***** X 02
HLD$PRINT      00000000 RG 02
HLD$PRTRAB ***** X 02
HLD_ANNOUNCE 00000000 R 01
HLD_CHKREAD 00000087 R 01
HLD_CHKWRT 00000097 R 01
HLD_LOAD 0000007A R 01
HLD_OVERLAY 00000072 R 01
MSG_ARRAY 000000A8 R 01
NOT_4K 0000012C R 01
NO_HEADER 00000115 R 01
NULL 000000D0 R 01
RAB$W_RSZ ***** X 02
SEARCH 00000101 R 01
SYNTAX 000000E9 R 01
SYSSFAO ***** X 02
SYSSPUT ***** GX 02

```

-----  
! Psect synopsis !  
-----

| PSECT name | Allocation       | PSECT No. | Attributes  |
|------------|------------------|-----------|---|
| ABS        | 00000000 ( 0.)   | 00 ( 0.)  | NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE |
| HLD\$PURE  | 000001CA ( 458.) | 01 ( 1.)  | NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG   |
| HLD\$CODE  | 00000051 ( 81.)  | 02 ( 2.)  | NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE     |

-----  
! Performance indicators !  
-----

| Phase                 | Page faults | CPU Time    | Elapsed Time |
|-----------------------|-------------|-------------|--------------|
| Initialization        | 29          | 00:00:00.08 | 00:00:00.94  |
| Command processing    | 109         | 00:00:00.59 | 00:00:03.55  |
| Pass 1                | 127         | 00:00:01.15 | 00:00:05.65  |
| Symbol table sort     | 0           | 00:00:00.02 | 00:00:00.02  |
| Pass 2                | 53          | 00:00:00.50 | 00:00:01.95  |
| Symbol table output   | 5           | 00:00:00.04 | 00:00:00.11  |
| Psect synopsis output | 1           | 00:00:00.02 | 00:00:00.12  |



|                        |     |             |             |
|------------------------|-----|-------------|-------------|
| Cross-reference output | 0   | 00:00:00.00 | 00:00:00.00 |
| Assembler run totals   | 326 | 00:00:02.40 | 00:00:12.35 |

The working set limit was 900 pages.

4913 bytes (10 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 33 non-local and 1 local symbols.

177 source lines were read in Pass 1, producing 14 object records in Pass 2.

6 pages of virtual memory were used to define 4 macros.

+-----+  
! Macro library statistics !  
+-----+

Macro library name

Macros defined

-----  
\_S255\$DUA28:[HLD.OBJ]HLD.MLB;1  
\_S255\$DUA28:[SYSLIB]STARLET.MLB;2  
TOTALS (all libraries)

0  
4  
4

70 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:HLDPRINT/OBJ=OBJ\$:HLDPRINT MSRC\$:HLDPRINT/UPDATE=(ENH\$:HLDPRINT)+LIB\$:HLD/LIB



0186 AH-BT13A-SE  
VAX/VMS V4.0

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